

THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT
PTO/SB/08 (MODIFIED)

SHEET 1 OF 3

ATTORNEY DOCKET NO.

16141.003

APPLICATION NO.

10/025,423

FIRST NAMED INVENTOR

Zuckermann

EXAMINER

T. Wessendorf

FILING DATE

December 18, 2001

CONFIRMATION NO.

6469

GROUP ART UNIT

1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE/ PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	1	US- 5,481,020	01/02/1996	Ng, et al.
	2	US- 5,877,278	03/02/1999	Zuckermann, et al.

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	REF. NO.	FOREIGN PATENT DOCUMENT	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	3	WO91/19735	12/26/1991	BARTLETT, et al.		
	4	WO96/40201	12/19/1996	DESAI, et al.		
	5	WO92/04320	03/19/1992	WARNER-LAMBERT		
	6	WO98/17384	04/30/1998	CHIRON CORP.		
	7	WO94/06451	03/31/1994	CHIRON CORP.		
	8	WO98/10857	03/19/1998	CHIRON CORP.		
	9	WO98/49187	11/05/1998	CHIRON CORP.		
	10	WO94/13623	06/23/1994	CHIRON CORP.		
	11	GB 2295152	05/22/1996	PFIZER LIMITED		
	12	DE 4403967	04/18/2002	BIOSYNTAN GESELLSCHAFT FUR BIOORGANISCHE SYNTHESE MBH		
	13	DE 20005738	09/21/2000	LASER-UNG MEDIZIN- TECHNOLOGIE GGMBH		

EXAMINER'S SIGNATURE

DATE CONSIDERED

THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT PTO/SB/08 (MODIFIED) SHEET 2 OF 3	ATTORNEY DOCKET NO. 16141.003	APPLICATION NO. 10/025,423
	FIRST NAMED INVENTOR Zuckermann	EXAMINER T. Wessendorf
	FILING DATE December 18, 2001	
	CONFIRMATION NO. 6469	GROUP ART UNIT 1639

NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published		
EXAMINE R INITIAL	REF. NO.	DESCRIPTION
	14	BENIMETSKAYA, et al., "Cationic porphyrins: novel delivery vehicles for antisense oligodeoxynucleotides" Nucleic Acids Research, 1998, Vol 26, No 23
	15	BENNETT, et al., "Cationic Lipids Enhance Cellular Uptake and Activity of Phosphorothioate Antisense Oligonucleotides" Molecular Pharmacology 41:1023-1033 Oct 1991.
	16	CAO, et al., "Delivery and Pathway in MCF7 Cells of DNA Vectorized by Cationic Liposomes Derived from Cholesterol" Antisense & Nucleic Acid Drug Development 10:369-380 (2000)
	17	CARR, et al. "Integration of Mass Spectrometry in Analytical Biotechnology" Anal. Chem. 1991, 63, 2802-2824
	18	RK DELONG, "Novel Cationic amphiphiles as delivery agents for antisense oligonucleotides" Nucleic Acids Research, 1999, Vol 27, No. 16, 3334-3341
	19	FELGNER, et al. "Lipfection: A highly efficient, lipid-mediated DNA-transfection procedure" Proc. Natl. Acad. Sci USA Vol. 84, pp 7413-7417 Nov. 1987
	20	FIGLIOZZI, et al. "Synthesis of N-Substituted Glycine Peptid Libraries" Methods in Enzymology, Vol. 267
	21	GARCIA-CHAUMONT, et al. "Delivery systems for antisense oligonucleotides" Pharmacology & Therapeutics 87 (2000) 255-277
	22	HUANG, et al. "Lipiods - novel cationic lipids for cellular delivery of plasmid DNA in vitro" Chemistry & Biology June 1998 5:345-354
	23	LAM, et al. "A new type of synthetic peptide library for identifying ligand-binding activity" Nature Vol 354, November 1991.
	24	LEWIS, et al. "A serum-resistant cytofectin for cellular delivery of antisense oligodeoxynucleotides and plasmid DNA" Proc Natl. Acad. Sci USA Vol. 93, pp 3176-3181, April 1996 Biochemistry
	25	MARCUSSON, et al. "Phosphorothioate oligodeoxyribonucleotides dissociate from cationic lipids before entering the nucleus" Nucleic Acids Research, 1998 Vol 26, No. 8 2016-2023
	26	MORRIS, et al. "A new peptide vector for efficient delivery of oligonucleotides into mammalian cells" Nucleic Acids Research, 1997, Vol 25, No. 14 2730-2736
	27	SMITH, et al. "New Developments in Biochemical Mass Spectrometry: Electrospray Ionization" Anal. Chem. 1990, 62, 882-899.
	28	TERRETT, et al. "Combinatorial Synthesis - The Design of Compound Libraries and their Application to Drug Discovery" Tetrahedron Report Number 377 Vol. 51, No. 30, pp 8135-8173, 1995
	29	THOMPSON, et al. "Synthesis and Application of Small Molecule Libraries" Chem. Rev. 1996, 96, 555-600

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<p align="center">THE UNITED STATES PATENT AND TRADEMARK OFFICE</p> <p align="center">INFORMATION DISCLOSURE STATEMENT</p> <p align="center">PTO/SB/08 (MODIFIED)</p> <p align="center">SHEET 3 OF 3</p>	ATTORNEY DOCKET NO. 16141.003	APPLICATION NO. 10/025,423
	FIRST NAMED INVENTOR Zuckermann	EXAMINER T. Wessendorf
	FILING DATE December 18, 2001	
	CONFIRMATION NO. 6469	GROUP ART UNIT 1639

	30	YOO, et al. "Enhanced delivery of antisense oligonucleotides with fluorophore-conjugated PAMAM dendrimers" Nucleic Acids Research, 2000 Vol. 28, No. 21 4225-4231
	31	ZUCKERMANN, et al. "Efficient Method for the Preparation of Peptiods [Oligo (N-substituted glycines)] by Submonomer Solid-Phase Synthesis, J. Am. Chem. Soc. 1992, 114, 10646-10657
	32	ZUCKERMANN, et al. "Automated Peptide-Resin Deprotection/Cleavage by a Robotic Workstation", Peptide Research, Vol. 5, No. 3 (1992)
	33	BUNIN, Barry A., "The Combinatorial Index", San Diego: Academic Press c 1998 322 pages

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